

# Pacific Northwest Salmon

- Chinook
- Coho
- Pink
- Sockeye
- Chum



# Chinook

- **Freshwater duration: 6 months to 2 years**
- **Marine duration, 1 to 5 years**
- **Normal return age; 3 to 5 years**
- **Adult Size: largest of the salmon species, normal range 15 to 25 pounds**
- **Ocean distribution: Washington coast and southern B.C.**
- **River entry timing: May though September**



# Coho

- **Freshwater duration: 1 to 2 years**
- **Marine duration: 1 to 2 years**
- **Normal age at return: 3 years**
- **Adult size: 7 to 12 pounds**
- **Ocean distribution:**  
**Washington and Oregon coast, British Columbia**
- **River entry Timing:**  
**September through December**





# Pink Salmon

- **Freshwater duration: few weeks to few months**
- **Marine duration: 1.5 years**
- **Normal age at return: 2 years, returning on odd numbered years in Washington**
- **Adult size: 3 to 5 pounds.**
- **Ocean distribution: British Columbia, SE Alaska**
- **River entry timing: August/September**



# Sockeye

- **Freshwater duration: 1-2 years**
- **Marine duration: 1 to 4 years**
- **Normal age at return: 3 to 5 years**
- **Adult size: 4 to 7 pounds**
- **Ocean distribution: British Columbia, SE Alaska**
- **River entry timing: July through September.**



# Chum

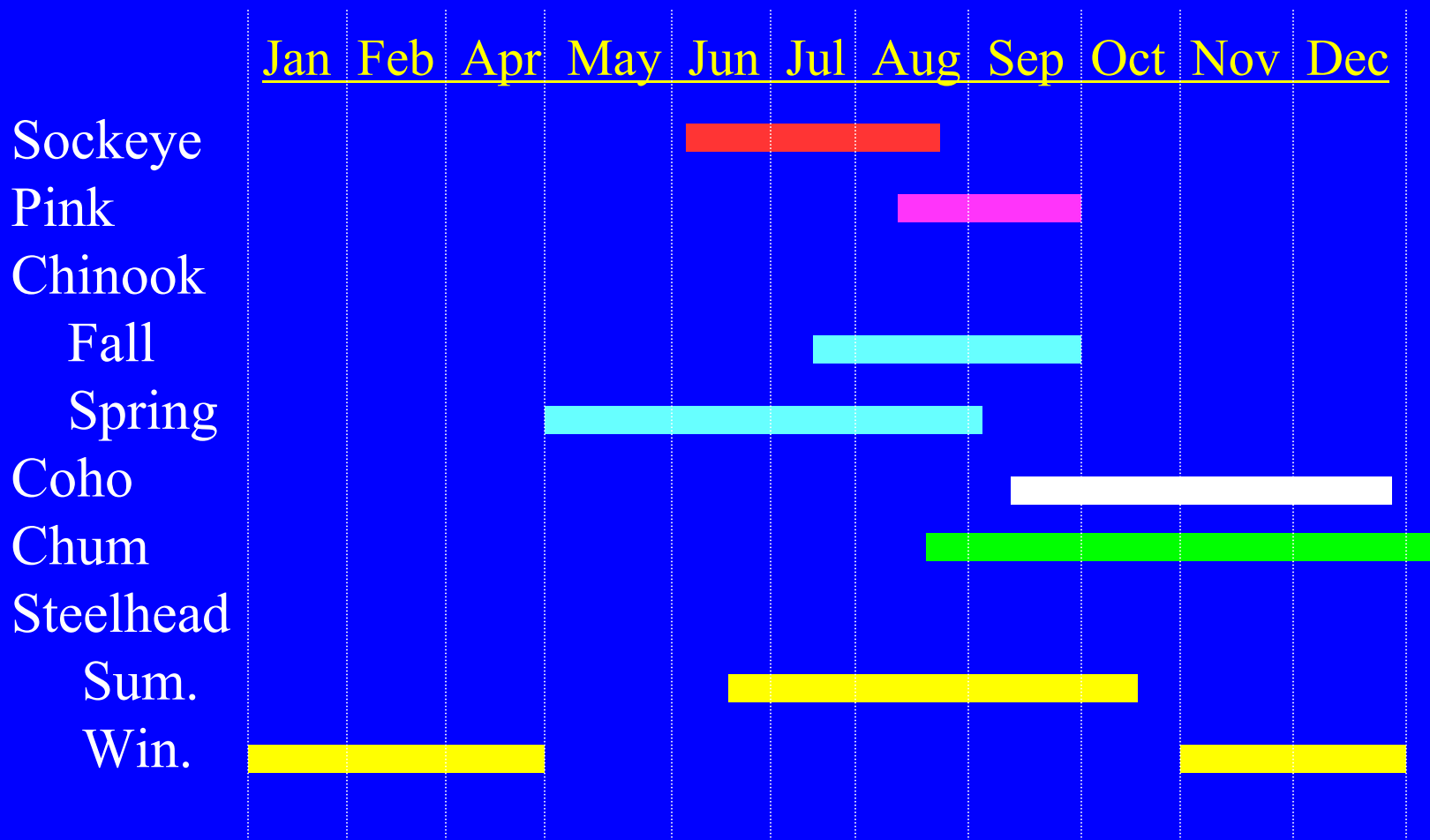
- **Freshwater duration: few to several weeks**
- **Marine duration: 3 to 5 years**
- **Normal at return: 3 to 5 years**
- **Adult size: 8 to 15 pounds**
- **Ocean distribution: British Columbia and SE Alaska**
- **River entry timing- August through January**



# Salmon Life History Summary

Species	Size(kg)	FW life	Marine Life	Adult Age
Chinook	5-15	6mo-2yrs	1-5 yrs	3-6
Coho	3-5	1-2yrs	1-2 yrs	3
Pink	2-2.5	Few-several wks	2 yrs	2, returns on odd years
Sockeye	2-3	1-2yrs	1-4 yrs	3-5
Chum	4-6	Few-several wks	3-5 yrs	3-5

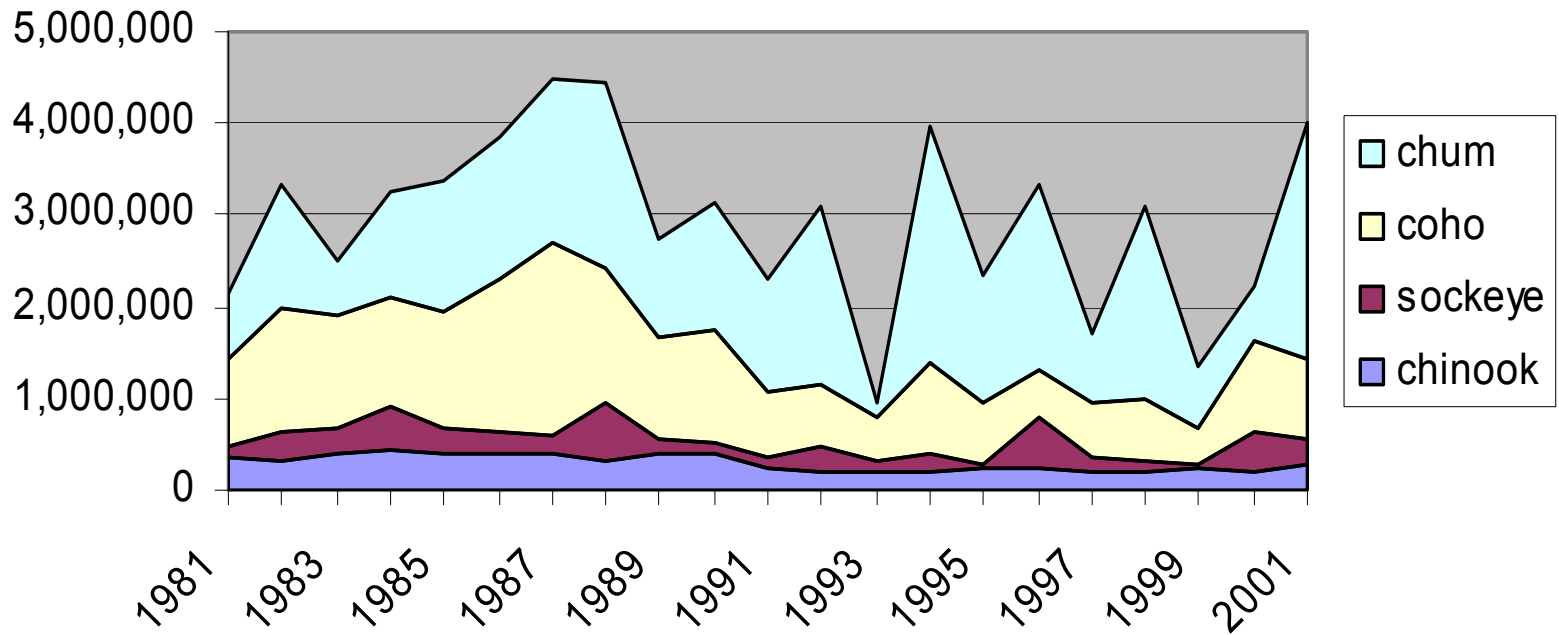
# Puget Sound Salmon/Steelhead River Entry Timing





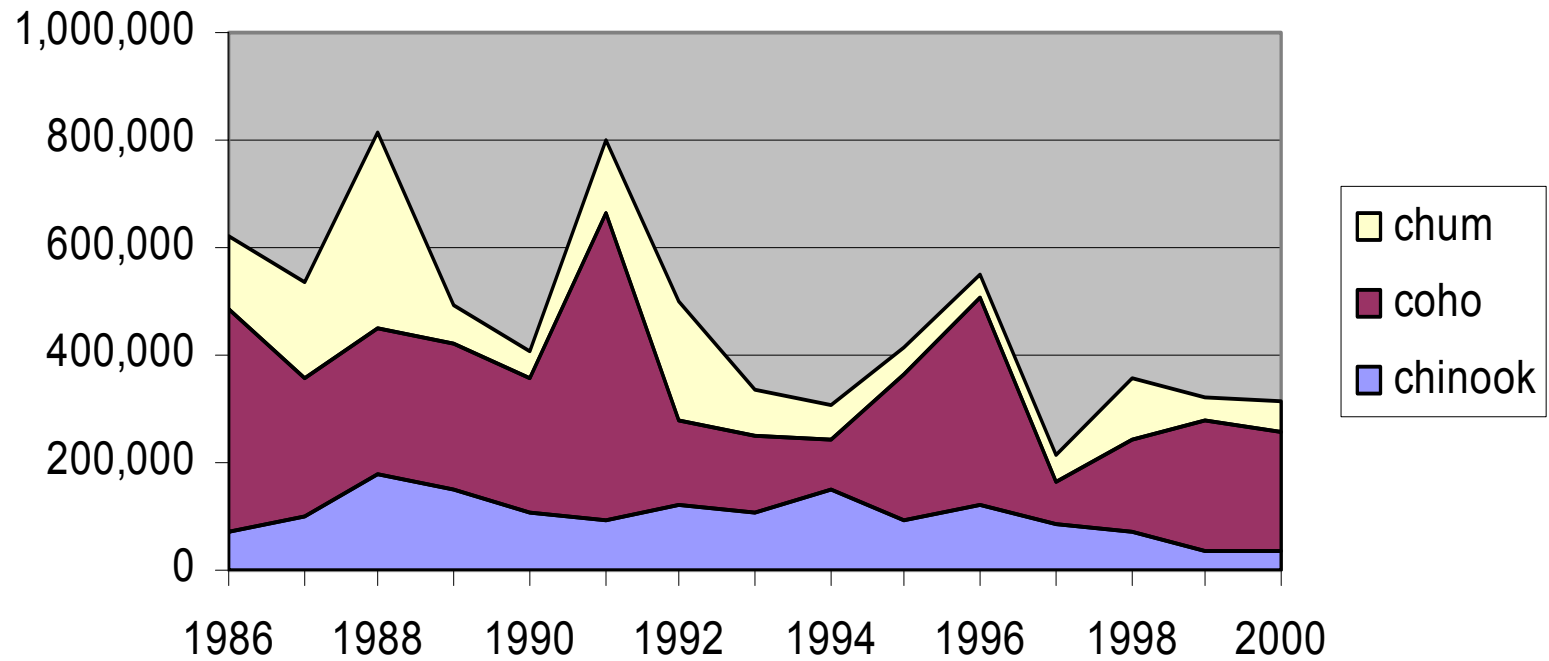
# Puget Sound

**Puget Sound Salmon Abundance**



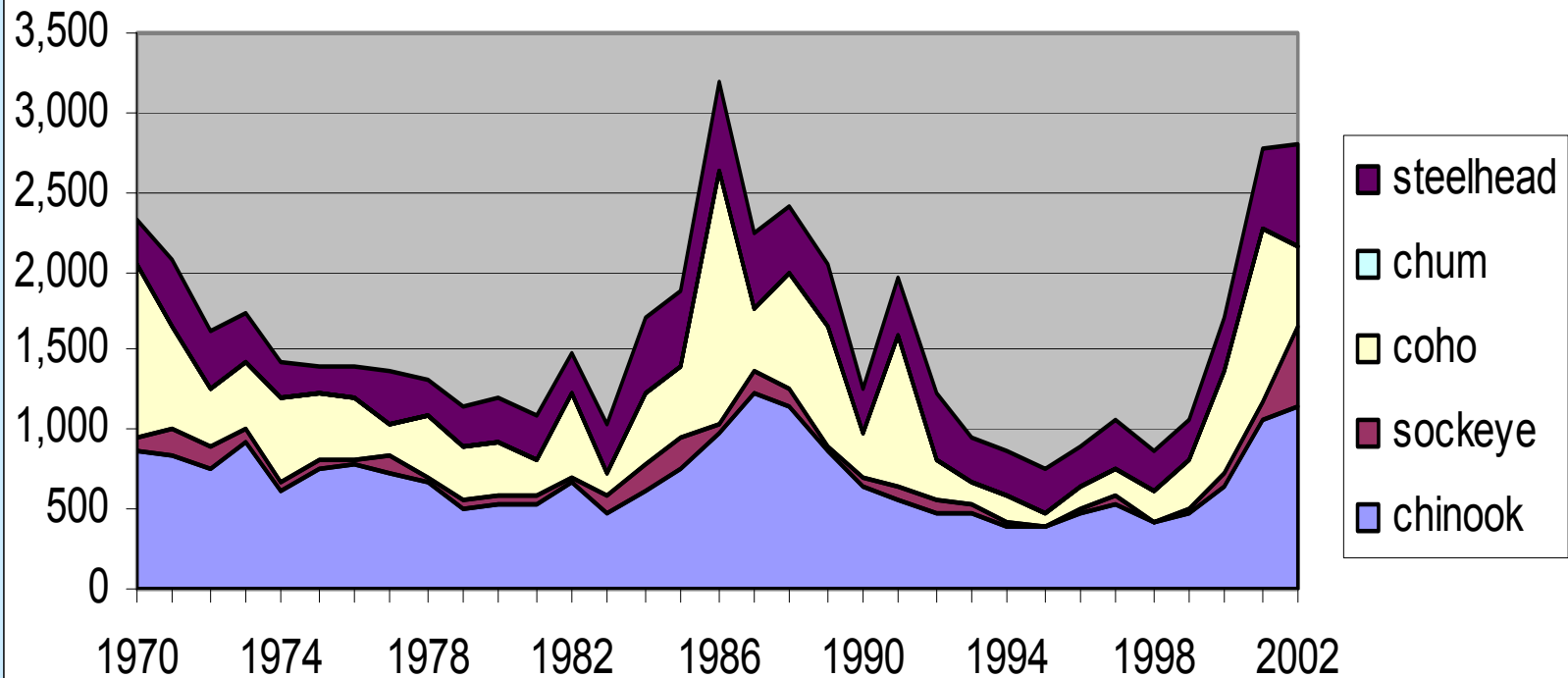
# Washington Coast

## Washington Coast Salmon Abundance

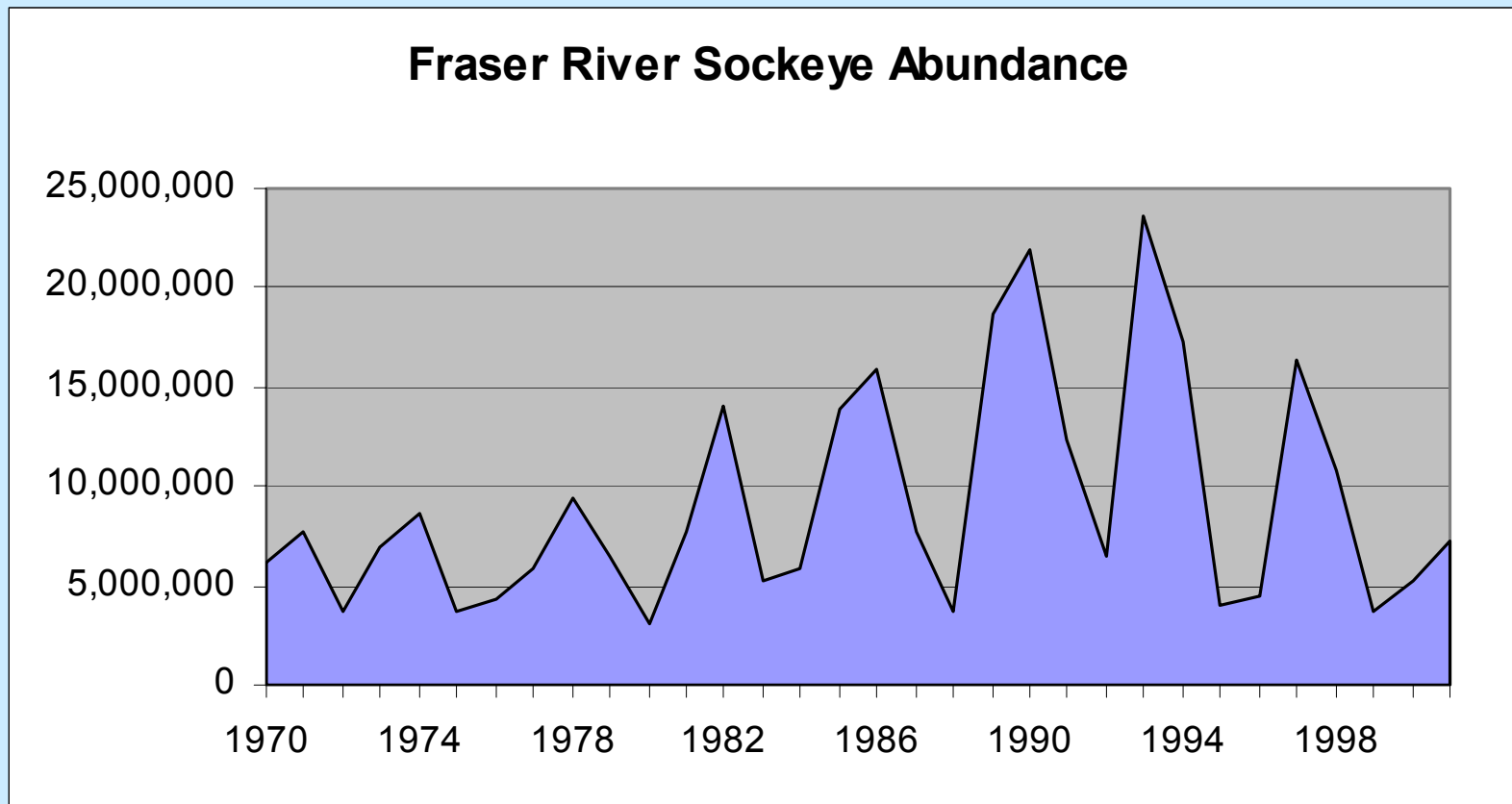


# Columbia River

**Columbia River Salmon and Steelhead Abundance  
(x1000)**



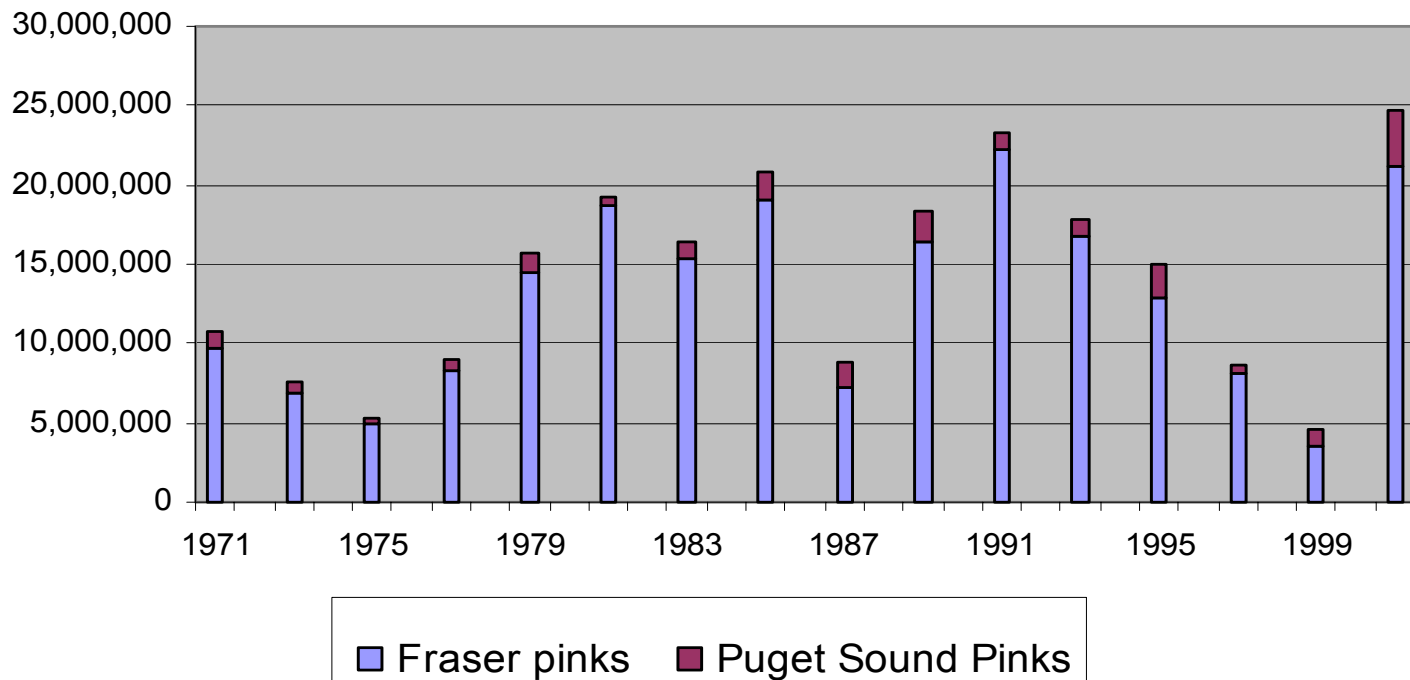
# Fraser River Sockeye Salmon



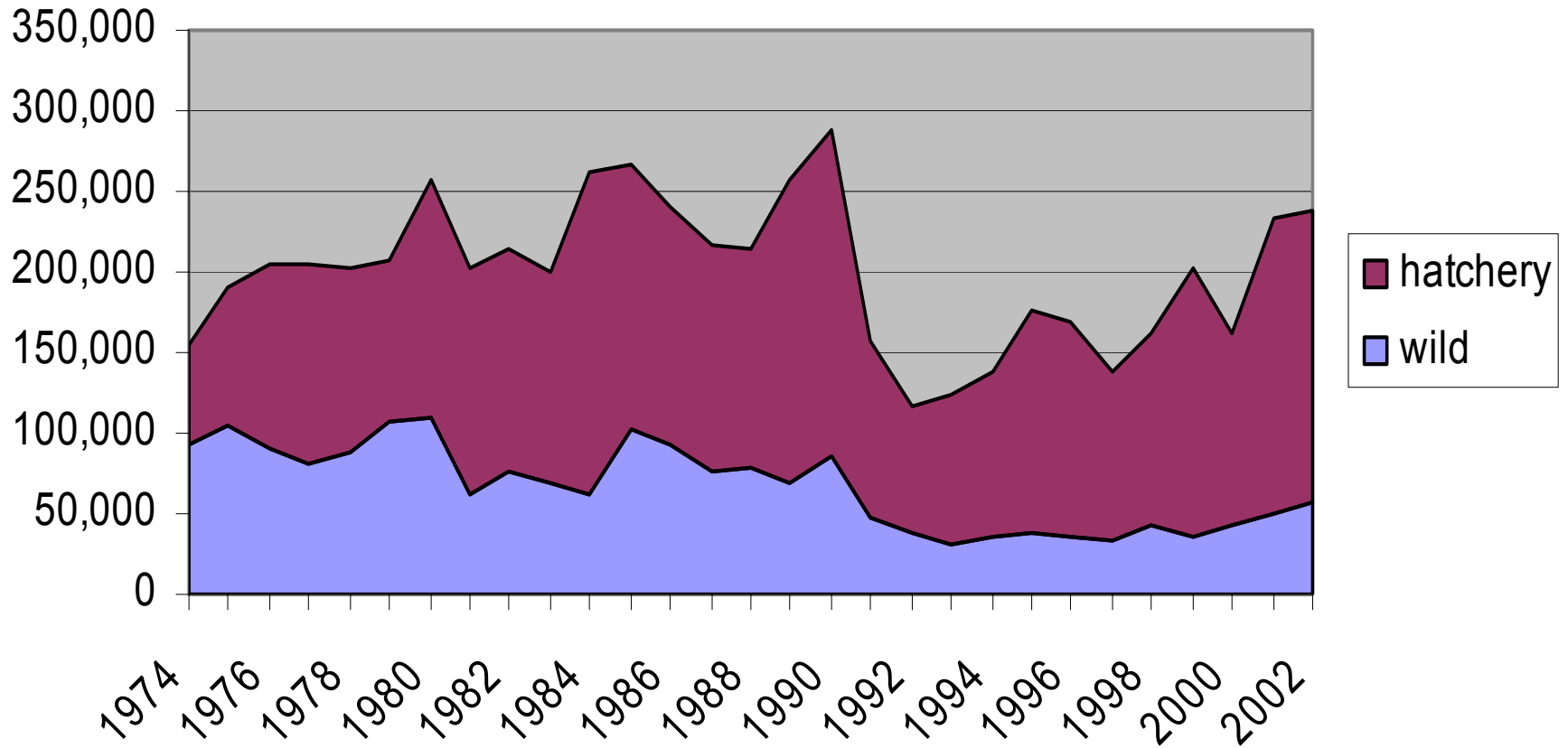


# Fraser River Pink Salmon

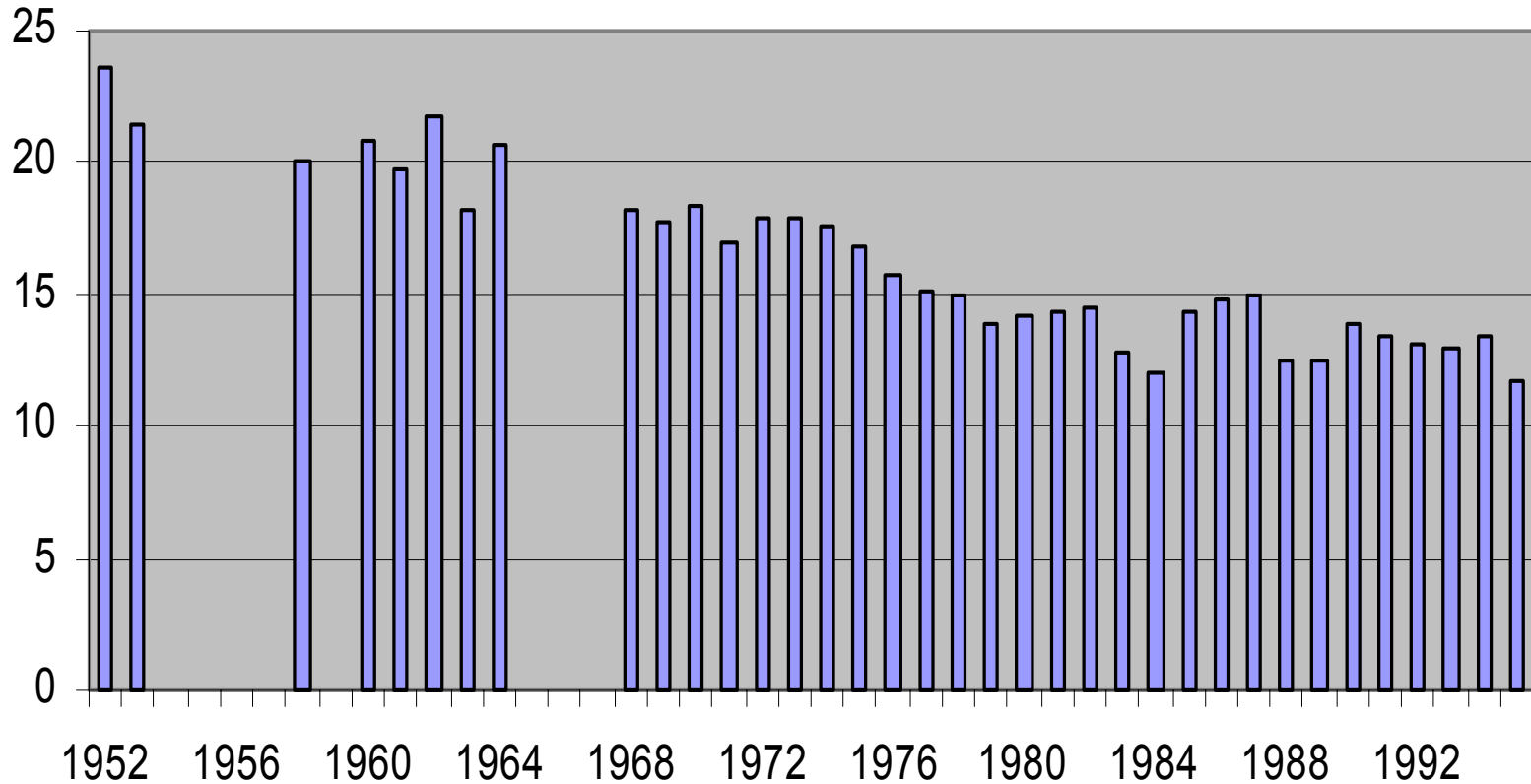
**Fraser River Pink Salmon Abundance**



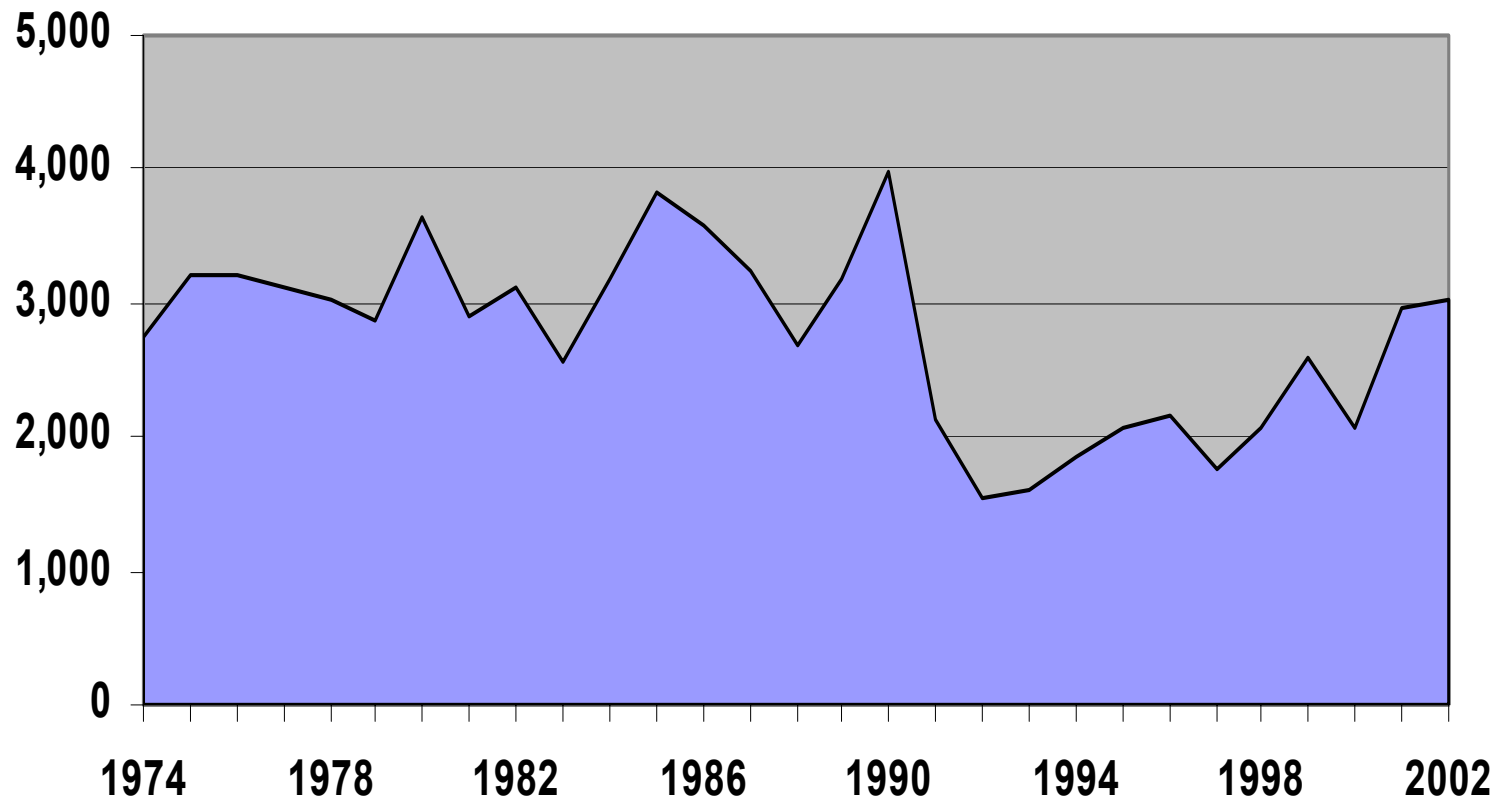
## Puget Sound Chinook Abundance (hatchery/wild)



## Puget Sound Chinook (ave wt./fish in lbs.)

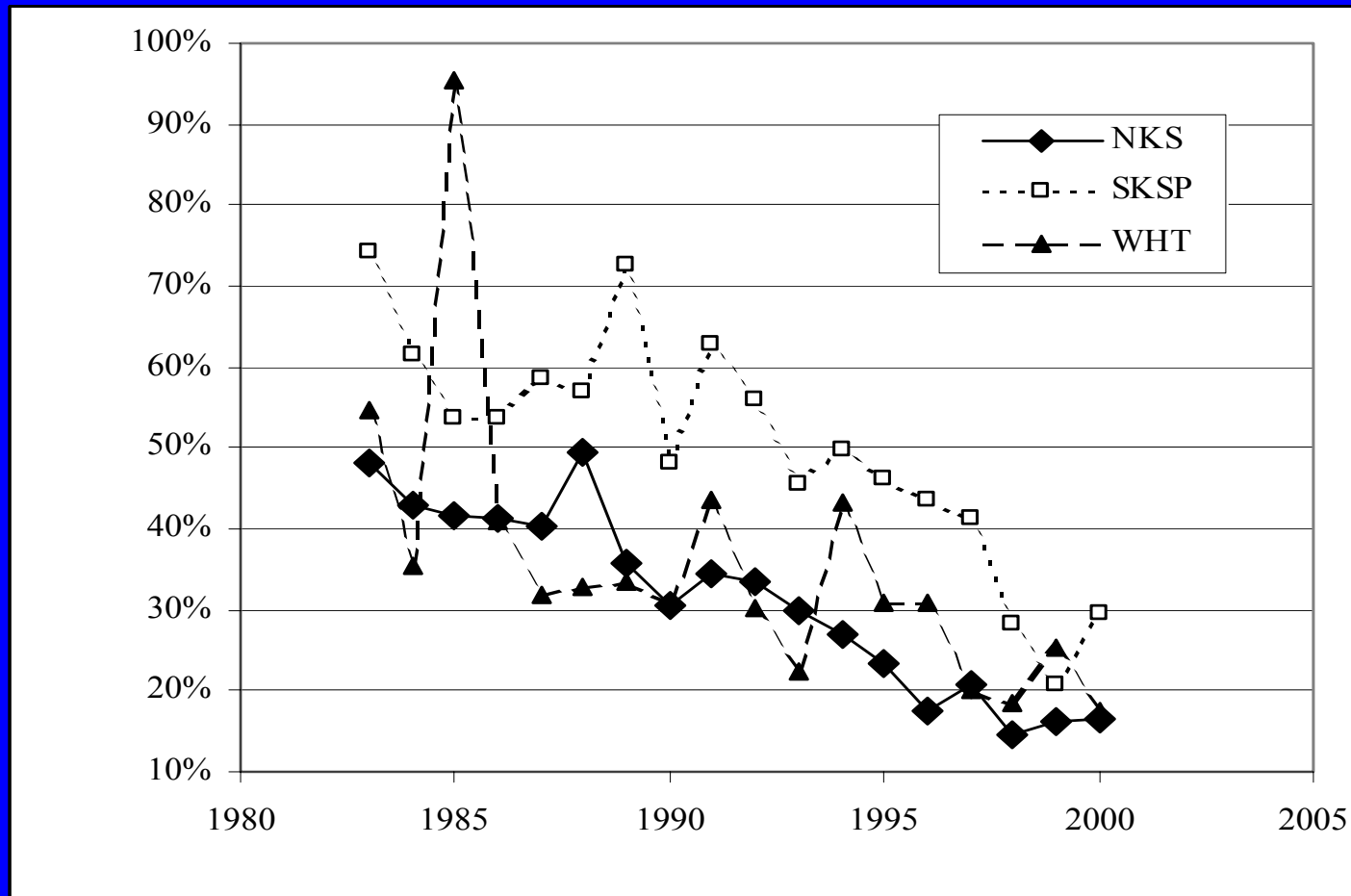


## Puget Sound Chinook Biomass

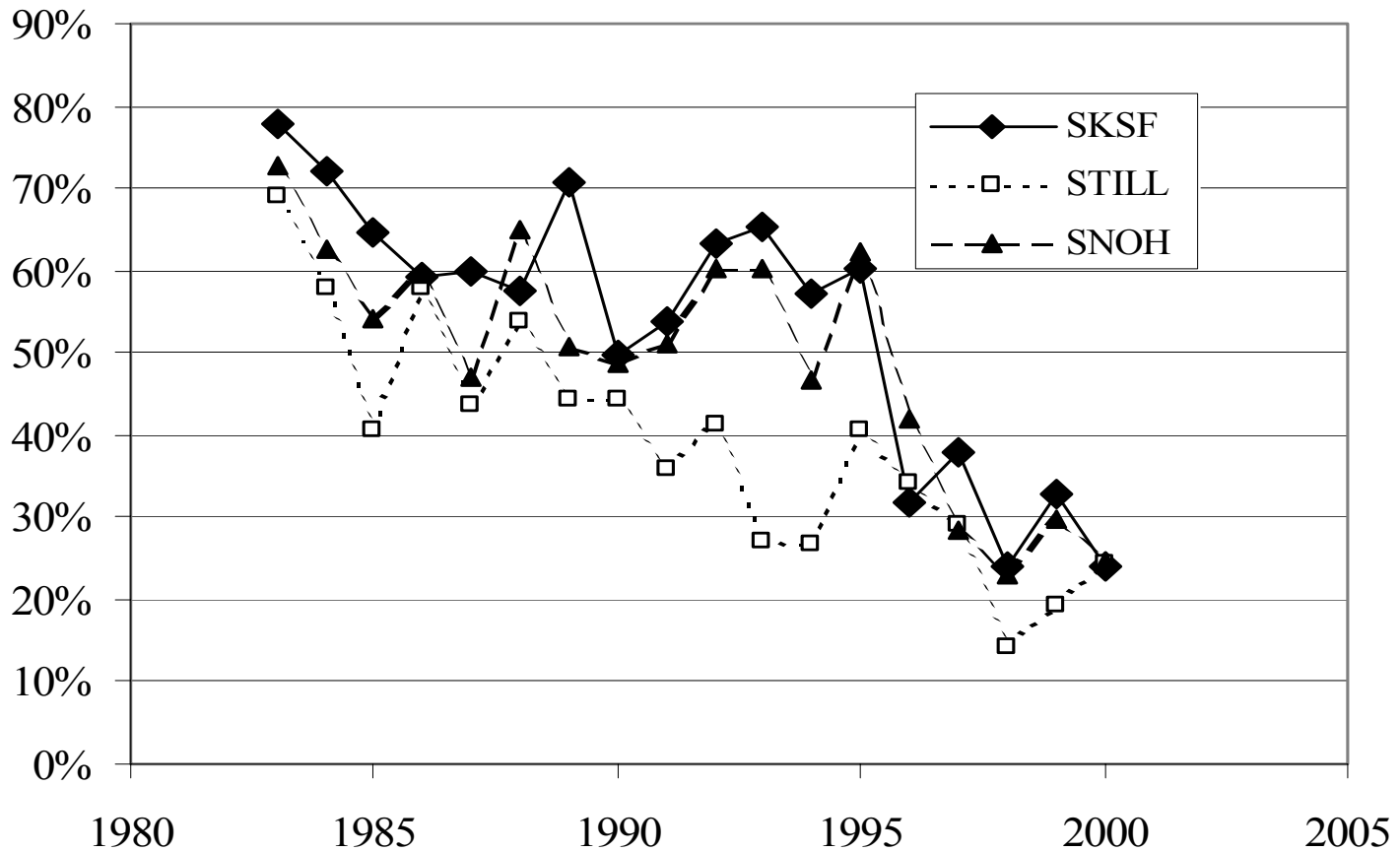




**Trend in total exploitation rate for Nooksack, Skagit, and White spring chinook management units (Post-season FRAM estimates).**



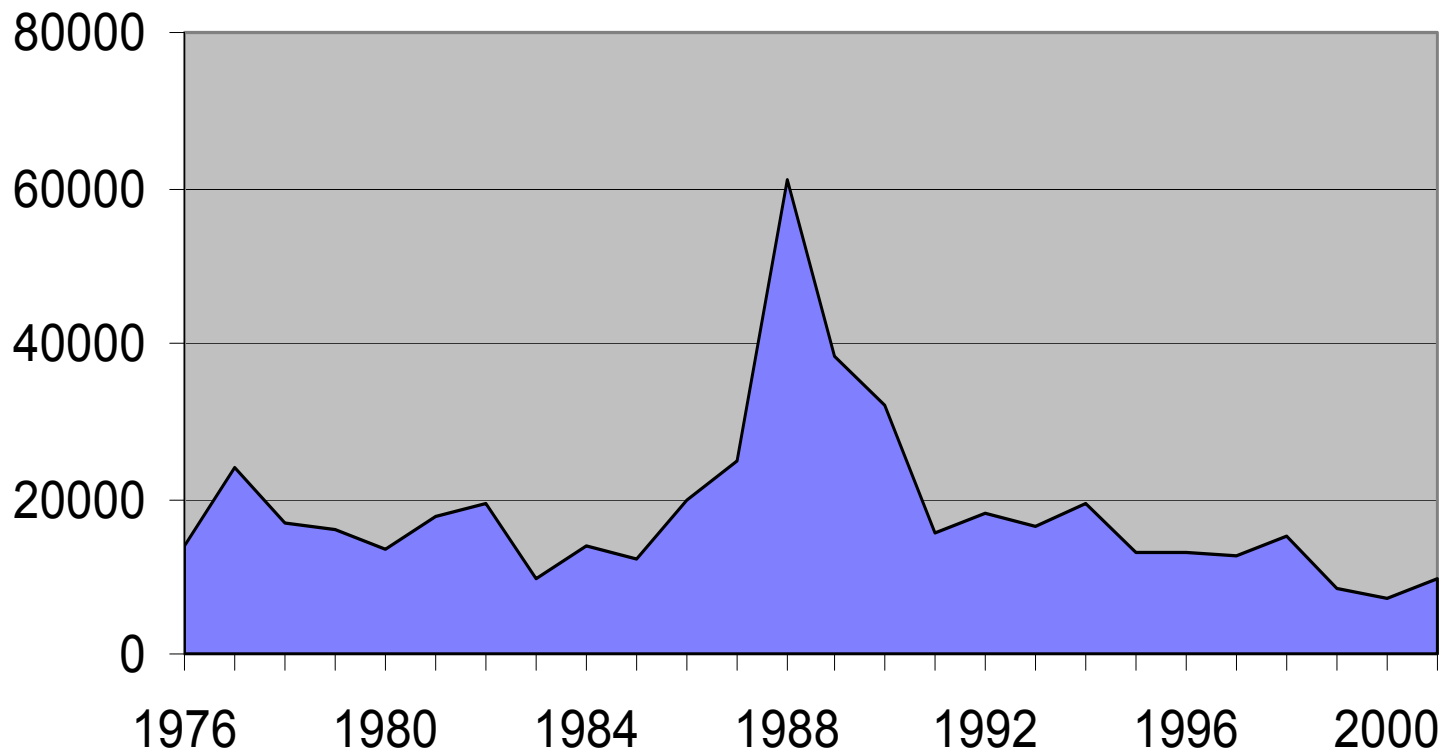
**Trend in total exploitation rate for Skagit, Stillaguamish, and Snohomish summer/fall chinook management units. (Post season FRAM estimates).**



# Puget Sound Chinook Summary

- No apparent trend in total abundance shifts in last 30 years
- The composition of wild fish has decreased from about 50% to 22% since 1974.
- Average adult size of adult is 71% the weight as compared to early 1970s and 56% compared to the 1950s.
- Total exploitation rates have dropped from 70-80% to 20-30% since the mid-80s.
- Trends in available biomass???

## Coastal Chinook: Hoh, Quillayute, Quinault





## Columbia River Chinook (x1000)

